

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
PCT/US 03/17274	03/06/2003	04/06/2002				
Applicant						
PROTASIS CORPORATION						
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Aut ansmitted to the International Bureau.	thority and is transmitted to the applicant				
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	s report.				
Basis of the report						
With regard to the language, the language in which it was filed, unl	international search was carried out on the ba ess otherwise indicated under this item.	sis of the international application in the				
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of t	the international application furnished to this				
b. With regard to any nucleotide an was carried out on the basis of the	d/or amino acid sequence disclosed in the in sequence listing:	nternational application, the international search				
	nal application in written form.					
	rnational application in computer readable for this Authority in written form.	n.				
	this Authority in computer readble form.	• •				
<u> </u>	sequently furnished written sequence listing of	loes not go beyond the disclosure in the				
		s identical to the written sequence listing has been				
2. Certain claims were four	ad visa combable (Coa Bay I)					
3. Unity of invention is lack	nd unsearchable (See Box I).					
· · · · · · · · · · · · · · · · · · ·	(See Box II).					
4. With regard to the title,						
the text is approved as sul	omitted by the applicant.					
X the text has been establish	ned by this Authority to read as follows:					
METHOD AND DEVICE FOR	ULTRASONICALLY MANIPULATIN	G PARTICLES WITHIN A FLUID				
	,					
5. With regard to the abstract ,						
the text is approved as sut the text has been establish within one month from the		ty as it appears in Box III. The applicant may, port, submit comments to this Authority.				
6. The figure of the drawings to be publi		25				
as suggested by the applic	•	None of the figures.				
because the applicant faile	d to suggest a figure.					
X because this figure better	characterizes the invention.					

ATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01D43/00 B01D51/08

B01D21/00

A61M1/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Ρ,Χ	WO 02 072234 A (ALLERS MATS ;ERYSAVE AB (SE); JOENSSON HENRIK (SE); LAURELL THOMAS) 19 September 2002 (2002-09-19) figures 4A,4B,4C,4D,5	1-4,6,7, 15,38, 40,73,85
X	US 6 245 207 B1 (YASUDA KENJI ET AL) 12 June 2001 (2001-06-12) figure 3	1-4,38
X	US 4 523 682 A (STONEBURNER JAMES D ET AL) 18 June 1985 (1985-06-18) figures 1,2	1-4,38
X	US 6 332 541 B1 (COAKLEY WILLIAM TERENCE ET AL) 25 December 2001 (2001-12-25) figure 3	1-4,15
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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filling date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filling date but later than the priority date claimed	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
28 November 2003	09/12/2003
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hoffmann, A





C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	 	Relevant to claim No.
Α .	US 6 273 262 B1 (YASUDA KENJI ET AL) 14 August 2001 (2001-08-14)		39,42, 43,45, 47,50, 53,56
	figures 2,3		33,30
	EP 0 773 055 A (HITACHI LTD) 14 May 1997 (1997-05-14) figure 13		20-23
	GB 2 098 498 A (SECR DEFENCE) 24 November 1982 (1982-11-24) abstract; figure 1B		20,21,23
	US 5 164 094 A (STUCKART WOLFGANG) 17 November 1992 (1992-11-17) figures 2A,2B,	20,21,23	
	WO 00 04978 A (COAKLEY WILLIAM TERENCE; CEFAI JOSEPH (GB); BARROW DAVID ANTHONY () 3 February 2000 (2000-02-03) abstract; figure 1		85
	US 5 831 166 A (MITOME HIDETO ET AL) 3 November 1998 (1998-11-03) figure 6		22
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